Announcements 1. Wednesday Review Session. Please bring guestions for 2. Github up dated w/ today 3. Formax

Normal Approximation (Central Cimit Theorem) For surs of valdon variables they tollar approximately the norval distribution. $y = \frac{1}{\sqrt{2}} \left(-\frac{1}{2} x^2 \right)$ Standardizing SU = value - avg value - EV SJ

SUPPUR those ove, all SU's pnorm (1.2) pnorm (1.2) = blue + re } pnorm(0.5) = ve }

pnosm ((,2) - prosm(0,5) = blue This is an approximation to use normal rodel)

Talid at 1005 t 25 draws 2) EV+2SE is in range & E possible values EX. 99[0]

100

100

This is binorial, p=0.01, n=100 EV= (SE = JN SP(ip) = 10.50.01.0,99 ~ 1 EV-2SE 40 =) Bab case for normal approxination